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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Examiner: NYA

Ian Michael Charles Shand

Group Art Unit No.: 2661

Serial No.: 10/725,831

Filed on: December 1, 2003

For: METHOD AND APPARATUS FOR SYNCHRONIZING A DATA
COMMUNICATIONS NETWORK

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form, if needed. It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

 X 37 C.F.R. §1.97(b).

 37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:

 A statement pursuant to 37 C.F.R. §1.97(e)

_____ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

_____ 1.97(e)(2) The undersigned hereby states that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

_____ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

_____ 37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e)

_____ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; OR

_____ 1.97(e)(2) The undersigned hereby states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

_____ A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

_____ 37 C.F.R. §1.97(i). Wherein applicants are submitting references before the grant of a patent to be placed in the file but not considered by the Patent office.

(1) Accordingly, copies of the references as listed on the attached Form PTO 1449 are submitted herewith for placement in the file. No certification or fees are deemed necessary.

The Examiner's attention is directed to the following related application(s) for the following reasons (as indicated by an "X" to the left of the appropriate paragraph):

_____ The Examiner is hereby notified that the following related application has been filed:

U.S. Application Serial No. _____, filed on _____

This related application contains one or more claims that may be substantially similar to one or more claims in the present application. Therefore, the Examiner is encouraged to reference the file history of the related application as some of the information contained therein may be material to the examination of the present application.

 X The Examiner is hereby notified that the present application is related to the following related application(s):

U.S. Application Serial No. 10/323,358, filed on December 17, 2002

U.S. Application Serial No. 10/340,371, filed on January 9, 2003.

U.S. Application Serial No. 10/346,051, filed on January 15, 2003.

U.S. Application Serial No. 10/442,589, filed on May 20, 2003.

U.S. Application Serial No. 10/620,866, filed on July 15, 2003.

U.S. Application Serial No. 10/685,621, filed on October 30, 2003.

U.S. Application Serial No. 10/342,606, filed on January 14, 2003.

U.S. Application Serial No. 10/685,622, filed on October 14, 2003.

U.S. Application Serial No. 10/719,003, filed on November 21, 2003.

U.S. Application Serial No. 10/792,945, filed on March 3, 2004.

U.S. Application Serial No. 10/848,669, filed on May 18, 2004.

U.S. Application Entitled "Method and apparatus for forwarding data in a data communications", Attorney Docket No.50325-0895, filed on June 1, 2004

The related application(s) contain(s) one or more claims that may be substantially similar to one or more claims in the present application, those claims may have been rejected in the related application(s), and a different interpretation may have been applied to one or more of the references that are of record in the present application. Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

_____ The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

U.S. Application Serial No. _____, filed on _____ (Office Action mailing date _____).

The related application(s) contain(s) one or more claims that may be substantially similar to one or more claims in the present application, those claims may have been rejected in the related application(s), and a different interpretation may have been applied to one or more of the references that are of record in the present application. Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: July 19, 2004



Christopher J. Palermo
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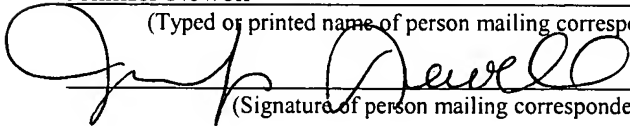
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SERIAL
NO.10/725,831

FILING DATE: December 1, 2003

GROUP:2661

[illegible][illegible]

Date Considered

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.:50325-0850	Application Number:10/725,831
		First Named Inventor: Ian Michael Charles Shand
		Filing Date: December 1, 2003

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		M. Watari, "Masafumi Watari's Web Site," "Papers" page, printed May 7, 2003, http://www.sfc.wide.ad.jp/~watari/papers.html , 1 page.	
		C. Perkins, "IP Mobility Support for IPv4," January 2002, IETF Network Working Group Request for Comments 3220 (RFC 322), from www.ietf.org , pp. 1-98.	
		S. Deering, et al., "Internet Protocol, Version 6 (IPv6), Specification," December 1998, IETF Network Working Group Request for Comments 2460, from www.ietf.org , pp. 1-39.	
		University of Southern California, Information Sciences Institute, "INTERNET PROTOCOL, DARPA INTERNET PROGRAM, PROTOCOL SPECIFICATION," September 1981 (IETF RFC 791), 48 pages.	
		D. Johnson, et al., "Mobility Support in Ipv6, draft-ietf-mobileip-ipv6-21.txt," February 26, 2003, http://www.ietf.org/html.charters/mobileip-charter.html , pp. 1-169.	
		Ryuji Wakikawa, et al., "Mobility Related Research at the InternetCAR Project," http://www.connectathon.org/talks03/cthon-keio.pdf , March 5, 2003, 12 pages.	
		William Stallings, "Mobile IP," http://www.cisco.com/warp/public/ipi_4-2_ip.html , 11 pages.	
		Cisco Systems, Inc., "White Paper, <i>Cisco Mobile IP</i> , Executive Summary," 2002, http://www.cisco.com/warp/public/cc/pd/10sw/prodlit/mbxul_wp.htm , 8 pages.	
		Cisco Systems, Inc., "Configuring Mobile IP," http://www.cisco.com/warp/public/732/Tech/mobile/IP/techdocument , 2003, 38 pages.	
		Mikkel Thorup, "Fortifying OSPF/IS-IS against link-failure," September 7, 2001, pp. 1-10.	
		Fei Dai et al., "On Independently Finding Converging Paths in Internet," 2001, pp. 1-13.	

Examiner Signature		Date Considered	
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.:50325-0850	Application Number:10/725,831
	First Named Inventor: Ian Michael Charles Shand	
	Filing Date: December 1, 2003	

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Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		Paolo Narváez et al., "Local Restoration Algorithm for Link-State Routing Protocols," 1998, 6 pages.	
		Jie Wu et al., "An Extended Fault-Tolerant Link-State Routing Protocol in the Internet," 2001, 7 pages.	
		Paolo Narváez et al., "Fault-Tolerant Routing in the Internet without Flooding," 1998, pp. 1-13.	
		Takuya Yoshihiro, "Design and Analysis of Routing Algorithms toward the Next Generation Internet," December 2002, 98 pages.	
		Fortz, Bernard, et al., "Optimizing OSPF/IS-IS Weights in a Changing World," IEEE JSAC Special Issue on Advances in Fundamentals of Network Management, Spring 2002, pp. 1-31.	
		Thorup, Mikkil, et al., "Avoiding Ties in Shortest Path First Routing," AT&T Labs-Research, Shannon Laboratory, Florham Park, NJ, pp. 1-13.	
		Thorup, Mikkil, "OSPF Areas Considered Harmful," AT&T Labs-Research, Florham Park, NJ, April 22, 2003, pp. 1-9.	
		M. Leelanivas, et al., "Graceful Restart Mechanism for Label Distribution Protocol," February 2003, Network Working Group, Request for Comments: 3478, http://rfc3478.x42.com , data retrieved 4/28/04, pp. 1-11.	
		R. Balay, et al., "IS-IS Mesh Groups," October 2000, Network Working Group, Request for Comments: 2973, pp. 1-8.	
		M. Shand, et al., "Restart signaling for IS-IS, draft-ietf-isis-restart-05.txt, January 2004, Network Working Group, Internet Draft, http://www.ietf.org/internet-drafts/draft-ietf-isis-restart-05.txt , data retrieved 4/28/04, pp. 1-20.	

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		Amir Hermelin, et al., "Extending the Number of IS-IS LSP Fragments Beyond the 256 Limit, draft-ietf-isis-lsp-frags-02.txt," Network Working Group, Internet Draft, http://www.ietf.org/internet-drafts/draft-ietf-isis-ext-lsp-frags-02.txt , data retrieved 4/28/04, pp. 1-12.	
		M. Shand, et al., "Restart signaling for IS-IS, draft-ietf-isis-restart-04.txt," July 2003, Network Working Group, Internet Draft, http://vesuvio.ipv6.tilab.com/internet-drafts/draft-ietf-isis-restart-04.txt , data retrieved 4/28/04, pp. 1-18.	
		Application Serial Number 10/442,589, filed 5/20/2003, Stewart Frederick Bryant, et al., entitled "A Method and Apparatus for Constructing a Transition Route in a Data Communication Network," 45 pages.	
		Application Serial Number 10/340,371, filed 1/9/2003, Kevin George Miles, et al., entitled "Method and Apparatus for Constructing a Backup Route in a Data Communications Network, 33 pages.	
		Cisco Systems, Inc., "Tunnel ToS," Cisco IOS Release 12.0(17)S, 12.0(17)ST, 12.2(8)T, and 12.2(14)S, January 28, 2003, pp. 1-15.	
		Cisco Systems, Inc., "AppleTalk, IP, and Novell IPX Overview," September 9, 2002, pp. IV-1 – IV-6.	
		Cisco Systems, Inc., "Why Are OSPF Neighbors Stuck in Exstart/Exchange State?," 1992-2003, 8 pages.	
		Cisco Systems, Inc., "Trace," Chapter 32, September 13, 2002, pp. 32-1 – 32-12.	
		Application Serial Number 10/323,358, filed 12/17/2002, Ian Michael Charles Shand, entitled "Method and Apparatus for Advertising a Link Cost in a Data Communications Network," 29 pages.	

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